REMARKS

In the Office Action, dated July 3, 2001, the Examiner states that Claims 18-20 are pending, Claims 18 and 19 are rejected, and Claim 20 is objected to. By the present Amendment, Applicant amends the claims.

In the Office Action, the Patent Office makes various objections and rejections under 35 U.S.C. §112, second paragraph, to Claims 18-20. The Examiner has provided suggestions to amend the claims. The Applicant has amended the claims as suggested by the Examiner. The claims should now be in proper format.

In light of the foregoing response, all the outstanding objections and rejections have been overcome. Applicants respectfully submit that this application should now be in better condition for allowance and respectfully requests favorable consideration.

Respectfully submitted,

September 14, 2001
Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Terumi Sunaga)
)
SERIAL NO: 08/820,608) Group Art Unit: 2661
)
FILED: March 19, 1997) Examiner: K.Vanderpuye

TITLE: Spread Spectrum Communication Transmitter and Receiver and CDMA Mobile Communication System and Method

THE ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

MARKED-UP VERSION OF CLAIMS 18-20

18. A transmitter used in a CDMA mobile communication system comprising:

a pilot transmit unit further comprising:

a pilot data generator which generates pilot data;

a first modulator which modulates the pilot data;

a second modulator which **[de]**spreads a spectrum of modulated pilot data from the first modulator to thereby generate **[said]** **a** pilot signal; **and**

a timing generator which generates a timing signal applied to at least one of the pilot data generators and the first and second modulators so that the pilot signal **[can be]** **is** intermittently transmitted; and

traffic channel transmit units which respectively transmit data signals in respect of traffic channels.

19. A transmitter used in a CDMA mobile communication system as claimed in claim 18, **[further comprising:]** **wherein said**

[a pilot channel transmit unit which intermittently transmits a pilot signal in a spread spectrum formation, the] pilot signal **[having]** **has** a period shorter than an interval in which the pilot signal is intermittently transmitted**[; and**

traffic channel transmit units which respectively transmit data signals in respect of traffic channels.]

20. A receiver used in a CDMA mobile communication system comprising:

a pilot channel receive unit which demodulates pilot signals respectively transmitted intermittently in a spread spectrum formation by transmitters, and detects[,] from the pilot signals, a timing for a traffic channel demodulation; and

a traffic channel receive unit which demodulates data at the timing detected by said pilot channel receive unit; and the timing detected by comparing peaks of the pilot signals intermittently transmitted, the timing for the traffic channel demodulation corresponding to a greatest one of the peaks.

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